

DETAILED ACTION

Amendment filed on 1/21/10 has been acknowledged and entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 66-73 and 75-83 are rejected under 35 U.S.C. 102(b) as being anticipated by Bismarck et al. (US 2001/0010332 A1).

Regarding claim 66, Bismarck teaches a package, comprising: a three dimensional box defined by a plurality of wall segments interconnected by folds (Fig. 4), the three dimensional box including a first portion (23) and a second portion (13) connected by a hinge [0040], the first portion and the second portion movable with respect to one another about the hinge between an open position (Fig. 5) and a closed position (Fig. 4), wherein the first portion and the second portion define a gap width (17) between the first portion and the second portion (portion 17 is between the top and bottom of the carton when the carton is closed - Fig. 4) when in the closed position (Fig. 4); and a mark for identification of the package (12), wherein the mark comprises a non-predetermined random identifier [0058] comprising the gap width (Fig. 5).

Regarding claim 67, Bismarck teaches further comprising a marking generated based on the non-predetermined random identifier (12).

Regarding claim 68, Bismarck teaches wherein the gap width is detectable and is at least one of filed or deposited as an optionally coded marking in at least one of a data bank or print (12) on the package (Fig. 5).

Regarding claim 69, Bismarck teaches further comprising a code applied to the package (35).

Regarding claim 70, Bismarck teaches wherein the package further comprises at least one of a primary packaging (32a) or a secondary packaging (8a), or a tertiary packaging (Fig. 4).

Regarding claim 71, Bismarck teaches wherein at least one of the mark, the code or the marking is visibly arranged on at least one of the primary packaging, the secondary packaging, or the tertiary packaging (35 – Fig. 5).

Regarding claim 72, Bismarck teaches wherein the marking (12) is arranged on the secondary packaging (8a), the marking being designed as a link number, wherein the link number is generated from at least one of the mark, the code, or the marking arranged on the primary packaging (mark is linked to other indicia on the package) [0053 - 0054].

Regarding claim 73, Bismarck teaches a package, comprising: a three dimensional box defined by a plurality of wall segments interconnected by folds (Fig. 4); a foil wrapping (32a and 33a) surrounding the three dimensional box, the foil wrapping including a first portion (33a) overlapping a second portion (32a) in an overlap region; and a mark for identification of the package (37), wherein the mark comprises a non-predetermined random identifier [0058] comprising a shape or dimension (height of 37

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comprises the height of the overlap region) of at least a portion of the overlap region (Fig. 4 and Fig. 5).

Regarding claim 75, Bismarck teaches wherein overlap region comprises a seam defining a seam width (width of 33a), and the non-predetermined random identifier comprises the seam width (37 spans the width of 33a).

Regarding claim 76, Bismarck teaches wherein the first portion of the foil wrapping defines a first cut edge (top of 33a), and the second portion of the foil wrapping defines a second cut edge (bottom of 33a), and the non-predetermined random identifier comprises an angle between the first cut edge and the second cut edge (identifier is between two edges at an angle).

Regarding claim 77, Bismarck teaches further comprising a marking generated based on the non-predetermined random identifier and arranged on the package (37).

Regarding claim 78, Bismarck further teaches wherein the non-predetermined random identifier is detectable and is at least one of filed or deposited as an optionally coded marking in at least one of a data bank or print on the package (37 is detectable and printed on the package).

Regarding claim 79, Bismarck teaches further comprising a code applied to the package (42).

Regarding claim 80, Bismarck teaches wherein the code includes a serial number and is in a predetermined and reproducible relationship to the mark [0053].

Regarding claim 81, Bismarck teaches wherein the package further comprises at least one of a primary packaging (32a), or a secondary packaging (33a), or a tertiary packaging (Fig. 4).

Regarding claim 82, Bismarck teaches wherein the at least one of the mark, the code (42) or the marking is visibly arranged on at least one of the primary packaging (Fig. 5), the secondary packaging, or the tertiary packaging.

Regarding claim 83, Bismarck teaches wherein the marking (37) is arranged on the secondary packaging (33a), the marking being designed as a link number (37 linked to other marks on the package), wherein the link number is generated from at least one of the mark (37), the code or the marking arranged on the primary packaging.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 4, 6-12, 14-17, 51-65, 74, and 84-87 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bismarck in view of Durst et al. (US 7089420 B1).

Regarding claim 1, Bismarck teaches a package, comprising a three dimensional box defined by a plurality of wall segments interconnected by folds (Fig. 4), the wall segments formed of a fibrous material [0044]; and a mark for identification of the package (37), wherein the mark comprises a non-predetermined random identifier [0058].

Bismarck lacks the luminophores.

Durst et al. teaches a distribution of luminophores intermixed with fibers of the fibrous material (Col. 45 Lines 11-63, Col. 4 Lines 5-18, Col. 30 Lines 63-67); and a marking located on the package separately from the mark, wherein the marking is correlated with the distribution of luminophores (59 – Fig. 7a).

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to use the luminophores in the code on the package because they provide a higher level of security than standard printing.

Regarding claim 52, Bismarck teaches a package, comprising: a three dimensional box defined by a plurality of wall segments interconnected by folds (Fig. 4); a foil wrapping surrounding the three dimensional box (33); and a mark for identification of the package (32), wherein the mark comprises a non-predetermined random identifier [0058].

Bismarck lacks the luminophores.

Durst et al. teaches a distribution of luminophores intermixed with fibers of the fibrous material (Col. 45 Lines 11-63, Col. 4 Lines 5-18, Col. 30 Lines 63-67).

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to use the luminophores in the code on the package because they provide a higher level of security than standard printing.

Regarding claims 4 and 53, Bismarck in view of Durst teaches the package according to claim 1, as shown above.

Bismarck lacks that the luminophores are distributed in a random pattern.

Durst teaches wherein the luminophores are distributed in a random pattern (Col. 45 Lines 11-63).

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to use the luminophores in the code on the package because they provide a higher level of security than standard printing.

Regarding claims 6 and 54, Bismarck further teaches further comprising a marking generated based on the random pattern and arranged on the package (37 is based on random pattern) [0058].

Regarding claims 7 and 55, Bismarck in view of Durst teaches the package according to claim 1, as shown above.

Bismarck lacks the details of the luminophores.

Durst teaches the distribution of the luminophores is detectable and is at least one of filed or deposited as an optionally coded marking in at least one of a data bank or print on the package (Col. 4 Lines 5-18, Fig. 7A-7B, Col. 45 Lines 11-42, Col. 30 Lines 63-67).

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to use the luminophores in the code on the package because they provide a higher level of security than standard printing.

Regarding claims 8 and 56, Bismarck further teaches further comprising a code applied to the package (42).

Regarding claims 9 and 57, Bismarck further teaches wherein the code includes a serial number (the code identifies the package) and is in a predetermined and reproducible relationship to the mark [0054].

Regarding claims 10 and 58, Bismarck further teaches wherein the code and the mark are in correlation with each other [0054].

Regarding claims 11 and 59, Bismarck further teaches wherein the correlation is formed by storage [0054] (42 stores information).

Regarding claims 12 and 60, Bismarck further teaches wherein the correlation is formed by a coding function [0054] (coding function is used to arrive at 42).

Regarding claims 14 and 61, Bismarck further teaches wherein the random identifier is arranged on the whole package or in a predefined region of the package (33a - Fig. 4).

Regarding claims 15 and 62, Bismarck further teaches wherein the package further comprises at least one of a primary packaging (32a), or a secondary packaging (33a), or a tertiary packaging (Fig. 4).

Regarding claims 16 and 63, Bismarck further teaches wherein at least one of the mark, the code (42), or the marking is visibly arranged on at least one of the primary packaging (Fig. 5), the secondary packaging, or the tertiary packaging.

Regarding claims 17 and 64, Bismarck further teaches wherein the marking (37) is arranged on the secondary packaging (33a), the marking being designed as a link number (37 is linked to the other numbers on the package), wherein the link number is

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generated from at least one of the mark (37) [0054], the code, or the marking arranged on the primary packaging.

Regarding claim 51, Bismarck further teaches wherein the fibrous material comprises cardboard [0044].

Regarding claim 64, Bismarck further teaches wherein the foil wrapping includes a tear strip, and the distribution of luminophores is located on the tear strip (Indicia 37 is on strip 33).

Regarding claim 74, Bismarck teaches the package of claim 73, as shown above.

Bismarck lacks the details of the pattern.

Durst teaches wherein the non-predetermined random identifier comprises air bubbles or a wave pattern (60a) in the overlap region.

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to use the luminophores in the code on the package because they provide a higher level of security than standard printing.

3. Claims 84-87 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bismarck in view of Kaule et al. (US 4451521). The teachings of Bismarck have been discussed above.

Regarding claim 84, Bismarck teaches a package, comprising: a three dimensional box defined by a plurality of wall segments interconnected by folds (Fig. 4); a foil wrapping surrounding the three dimensional box (33a); a label (32a) located on the three dimensional box on the foil wrapping [0052]; ink printing (42) located on the

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label; and a mark (37) for identification of the package, wherein the mark comprises a non-predetermined random identifier [0058].

Bismarck lacks the luminophores.

Kaule teaches an immiscible additive added to the ink printed on the label, the immiscible additive containing luminophores (abstract, Col. 6 Lines 19-27, Col. 8 Lines 1-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to use the luminophores in the code on the package because they provide a higher level of security than standard printing.

Regarding claim 85, Bismarck further teaches wherein the ink printing comprises a serial number [0054].

Regarding claim 86, Bismarck further teaches wherein the label (32a) is located between the three dimensional box (23) and the foil wrapping (33a).

Regarding claim 87, Bismarck further teaches further comprising: a marking generated based on the random pattern and arranged on the package (37) [0058]; and a code applied to the package, the code comprising a serial number having a predetermined and reproducible relationship to the mark (42) [0054]; wherein the ink printing comprises the serial number [0054].

Response to Arguments

Applicant's arguments filed 1/21/10 have been fully considered but they are not persuasive.

Applicant argues that Bismarck does not teach the claimed gap width between the first portion and the second portion. However, this argument is not found to be persuasive. Bismarck teaches a portion of the packaging (17) that, when the container is closed (Fig. 4) is between the top and bottom portions of the container.

Applicant argues that the mark in Bismarck does not contain a shape or dimension of at least a portion of the overlapping region between 33a and 32a. However, this argument is not found to be persuasive. The height of mark 37 is roughly equal to the height of the 33a and therefore the mark 37 contains a dimension of 33a.

Applicant argues that Bismarck and Durst do not teach a separate marking that is correlated with the distribution of luminophores. However, this argument is not found to be persuasive. Durst teaches a mark 59 on a packaging that is separate from the luminophores and correlated with the luminophores.

Applicant argues the combination of Bismarck and Durst does not teach a distribution of luminophores permeating the foil wrapping. However, this argument is not found to be persuasive. Bismarck teaches the foil wrapping in the form of a "tear strip or tape" [0050] with the identifier on the foil wrapping. Durst also teaches a piece of tape used to seal a package (58) with luminophores permeating the tape. Therefore, one of ordinary skill in the art at the time of invention would have been lead to permeate Bismarck's tape with the fibers in Durst's tape.

Applicant's arguments with respect to claims 84-87 have been considered but are moot in view of the new ground(s) of rejection. New grounds of rejection are in view of Kaule et al. and are required by the amendment regarding the immiscible additive.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAFFERTY KELLY whose telephone number is (571)270-5031. The examiner can normally be reached on Mon. - Fri. 800-1730 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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3-26-10

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